

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Boneham et al.

Docket No.

87792.065605

Application No.

10/537,852

Filing Date

December 12, 2005

Examiner

Unknown

Customer No.

23,469

Group Art Unit

Unknown

Invention: PEPTIDE PRESENTATIONS FOR HUMAN IMMUNODEFICIENCY VIRUS VACCINES

I hereby certify that this Sequence Listing (30 pages)

(Identify type of correspondence)

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April 21, 2006

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SEQUENCE LISTING

<110> Boneham et al.
 <120> Peptide presentations for human immunodeficiency virus vaccines
 <130> 87792.065605
 <140> US 10/537,852
 <141> 2005-06-08
 <150> GB 0228939.5
 <151> 2002-12-12
 <160> 126
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Trp Ala Leu Arg Ser Cys Cys Pro Val Glu Gly Ala Trp Arg Trp Arg
20 25 30

Gly Arg Gln Ala Lys Ala Val Gln Val Tyr Asn Ser Arg Lys Ser Glu
35 40 45

Leu Asp Ala Ala Asn Lys Thr Leu Ala Asp Ala Ile Ala Glu Ile Lys
Page 28

50

55

60

Gln Phe Asn Arg Phe Ala His Asp Pro Met Ala Gly Gly His Arg Met
65 70 75 80

Trp Gln Met Ala Gly Leu Lys Ala Gln Arg Ala Gln Thr Asp Val Asn
85 90 95

Asn Lys Gln Ala Ala Phe Asp Ala Ala Ala Lys Glu Leu Glu His His
100 105 110

His His His His
115

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Asp Gly Glu Trp Val Leu Leu Ser Thr Phe Leu
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Ala Glu Gly Glu Phe Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys
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Trp Ala Ser Leu Ser Tyr Ile Pro Glu Ala Pro Arg Asp Gly Gln Ala
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Tyr Val Arg Lys Asp Gly Glu Trp Val Leu Leu Ser Thr Phe Leu
35 40 45

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<220>

<223> 2F5 epitope carrying peptide

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Arg Gly Arg Gln Ala Lys Ala Val Gln Val Tyr Asn Ser Arg Lys Ser
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Glu Leu Asp Leu Ser Cys Cys Pro Ala Ala Asn Lys Thr Leu Ala Asp
20 25 30

Ala Ile Ala Glu Ile Lys Gln Phe Asn Arg Phe Ala His Asp Pro Met
35 40 45

Ala Gly Gly His Arg Met Trp Gln Met Ala Gly Leu Lys Ala Gln Arg
50 55 60

Ala Gln Thr Asp Val Asn Asn Lys Gln Ala Ala Phe Asp Ala Ala Ala
65 70 75 80

Lys Glu Leu Glu Leu Val Pro Arg Gly Ser
85 90